

U.S. Application Serial No. 0/089,014
Attorney Docket No. 11283-019US1

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Pending claims including amendments suggested by the Examiner on October 26, 2006

1. - 2. (Cancelled)
3. (Currently amended) An isolated DNA comprising [[a]] the nucleotide sequence represented by SEQ ID NO: 2.
4. (Previously presented) An expression vector which comprises the DNA of claim 3.
5. (Currently amended) ~~A transformant which is~~ An isolated host cell transformed with the expression vector of claim 4.
6. (Original) A process for producing GDP-4-keto-6-deoxy-D-mannose-3, 5-epimerase-4-reductase, which comprises culturing the transformant of claim 5 in a medium and collecting GDP-4-keto-6-deoxy-D-mannose-3, 5-epimerase-4-reductase from the obtained culture.
7. (Currently amended) ~~A transformant which is~~ An isolated host cell transformed with:
(a) the expression vector of claim 4; and (b) an expression vector comprising DNA encoding GDP-D-mannose-4, 6-dehydratase produced by strain W303/YEp-MUR1-HA (FERM BP-7107).
8. (Original) A process for converting GDP-D-mannose into GDP-L-fucose using the transformant of claim 7.
9. (Original) A process for producing GDP-L-fucose which comprises culturing the transformant of claim 7 together with GDP-D-mannose in a medium, and collecting GDP-L-fucose from the obtained culture.

10. (Previously presented) The transformant of claim 7, the transformant being strain W303/YEp-MUR1-HA, pYO-AtFX-Myc (FERM BP-7108).

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